Claims

What is claimed is:

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An emergency command and control system, comprising:

a plurality of positioning subsystems, each of the plurality of positioning subsystems having a receiver and a transmitter, the plurality of positioning subsystems transmitting a positioning signal;

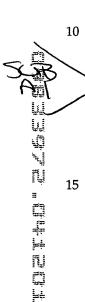
a wearable tag capable of receiving the positioning signal from several of the plurality of positioning systems, the wearable tag transmitting a tag position; and

a console containing a computer and a receiver capable of receiving the tag position.

2. The system of claim 1, wherein each of the plurality of positioning subsystems has a time modulated receiver.

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3. The system of claim 1, wherein the transmitter in each of the plurality of positioning subsystems uses a time modulated transmission system.



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alert.

The system of claim 1, wherein the wearable tag monitors a user's vital signs.

The system of claim 1, wherein the console includes a 7. time modulated receiver.

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8. The system of claim 1, wherein the console displays a location of the wearable tag.

9. The system of claim 8, wherein an icon representing the wearable tag flashes when the console receives an alert from the wearable tag.

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- A method of operating an emergency command and control system, comprising the steps of:
- a) determining a position of a plurality of positioning subsystems;
- b) transmitting a position signal from each of the plurality of positioning subsystems;
- c) receiving the position signal from several of the plurality of positioning subsystems at a wearable tag; and
 - d) calculating a tag position.
 - 11. The method of claim 10, further including the step of:
 - e) displaying the tag position on a monitor of the console.
 - 12. The method of claim 11, further including the step of:
- f) when the tag position has remained stationary for a predetermined period of time, transmitting an alert to the console.
 - 13. The method of claim 12, further including the step of:
 - g) emitting an audible alarm.

- 14. The method of claim 10, wherein step (b) further includes the step of:
- b1) transmitting the position signal using a time modulated ultra wide band multiple access transmission system.

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- 15. An emergency command and control system, comprising:
- a wearable subsystem transmitting and receiving a positioning signal; and
- a console having a directional antenna, transmitting and receiving the positioning signal and calculating a wearable subsystem position, the console displaying the wearable subsystem position on a display.
- 16. The system of claim 15, wherein the console has an impulse radio transmitter.
- 17. The system of claim 15, wherein the wearable subsystem has an impulse radio transmitter.
 - 18. The system of claim 15, wherein the wearable subsystem transmits an alarm when the wearable subsystem has not moved for a predetermined period of time.

19. The system of claim 15, wherein the wearable subsystem has a directional antenna.

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20. The system of claim 15, further including a GPS receiver connected to the console.